

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102423\
 Data File : VW032585.D
 Acq On : 24 Oct 2023 11:46
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005297

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/25/2023
 Supervised By : Mahesh Dadoda 10/26/2023

Quant Time: Oct 25 05:46:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 21 02:44:24 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	98005	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	111160	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	56736	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	47463	5.955	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.000%
7) Chloroethane-d5	1.532	69	40412	6.246	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	125.000%
11) 1,1-Dichloroethene-d2	2.056	65	19851	5.905	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	118.200%
20) 2-Butanone-d5	3.822	46	102334	50.753	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.500%
24) Chloroform-d	4.249	84	81015	5.762	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.200%
26) 1,2-Dichloroethane-d4	4.944	65	40144	6.027	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.600%
32) Benzene-d6	4.960	84	153471	4.692	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	5.989	67	45709	4.218	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.400%
41) Toluene-d8	7.243	98	160928	5.381	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.600%
43) trans-1,3-Dichloroprop...	7.558	79	19510	5.080	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.600%
46) 2-Hexanone-d5	8.030	63	87664	48.518	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.040%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	39635	5.229	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.600%
66) 1,2-Dichlorobenzene-d4	11.564	152	53703	5.101	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	52939	4.847	ug/L	100
3) Chloromethane	1.214	50	52574	4.775	ug/L	100
5) Vinyl chloride	1.281	62	53387	5.084	ug/L	99
6) Bromomethane	1.487	94	32623	5.143	ug/L	99
8) Chloroethane	1.548	64	33151	5.244	ug/L	99
9) Trichlorofluoromethane	1.712	101	69819	5.544	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	43198	5.661	ug/L	99
12) 1,1-Dichloroethene	2.069	96	39131	5.444	ug/L	92
13) Acetone	2.153	43	86399	55.596	ug/L	65
14) Carbon disulfide	2.240	76	101903	4.056	ug/L	100
15) Methyl Acetate	2.391	43	17098	4.887	ug/L #	89
16) Methylene chloride	2.445	84	42761	4.563	ug/L	97
17) Methyl tert-butyl Ether	2.709	73	91067	4.654	ug/L #	95
18) trans-1,2-Dichloroethene	2.693	96	38335	4.656	ug/L	97
19) 1,1-Dichloroethane	3.111	63	75314	4.863	ug/L	99
21) 2-Butanone	3.902	43	115541m	47.543	ug/L	
22) cis-1,2-Dichloroethene	3.815	96	41853	4.721	ug/L	97
23) Bromochloromethane	4.149	128	18428	4.941	ug/L	99
25) Chloroform	4.278	83	81509	5.364	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	49146	5.475	ug/L	100
29) 1,1,1-Trichloroethane	4.513	97	66052	4.370	ug/L	98
30) Cyclohexane	4.580	56	56538	3.404	ug/L	96
31) Carbon tetrachloride	4.735	117	56453	4.415	ug/L	99
33) Benzene	5.008	78	167270	4.274	ug/L	100
34) Trichloroethene	5.834	95	43643	4.085	ug/L	97
35) Methylcyclohexane	6.050	83	71370	4.317	ug/L	93
37) 1,2-Dichloropropane	6.095	63	39838	3.806	ug/L #	97
38) Bromodichloromethane	6.432	83	61182	4.920	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	64986	4.363	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	279635	42.218	ug/L	99
42) Toluene	7.317	91	191754	4.596	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	54124	4.421	ug/L	96
45) 1,1,2-Trichloroethane	7.770	97	34066	4.614	ug/L	94
47) Tetrachloroethene	7.905	164	35648	4.400	ug/L	98
48) 2-Hexanone	8.079	43	214991	46.005	ug/L	99
49) Dibromochloromethane	8.178	129	37643	4.897	ug/L	96
50) 1,2-Dibromoethane	8.284	107	31037	4.444	ug/L	99
51) Chlorobenzene	8.815	112	122459	4.559	ug/L	98
52) Ethylbenzene	8.947	91	205955	4.433	ug/L	99
53) m,p-Xylene	9.075	106	76410	4.435	ug/L	97
54) o-Xylene	9.480	106	74054	4.460	ug/L	96
55) Styrene	9.497	104	130035	4.638	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	40470	4.982	ug/L	95
59) Bromoform	9.667	173	20124	4.878	ug/L	99
60) Isopropylbenzene	9.870	105	202936	4.602	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	28546	4.727	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	157197	4.374	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	158650	4.434	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	100449	4.769	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	99210	4.695	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	91556	4.766	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	5688	4.610	ug/L	88
69) 1,3,5-Trichlorobenzene	12.583	180	69150	4.483	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	57642	4.213	ug/L	99
71) Naphthalene	13.442	128	92303	3.971	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	53088	4.503	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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